

The Heterodyne

Newsletter of the West Valley Amateur Radio Association

**June Meeting at the
American Red Cross
(Also Accessible via Zoom)**

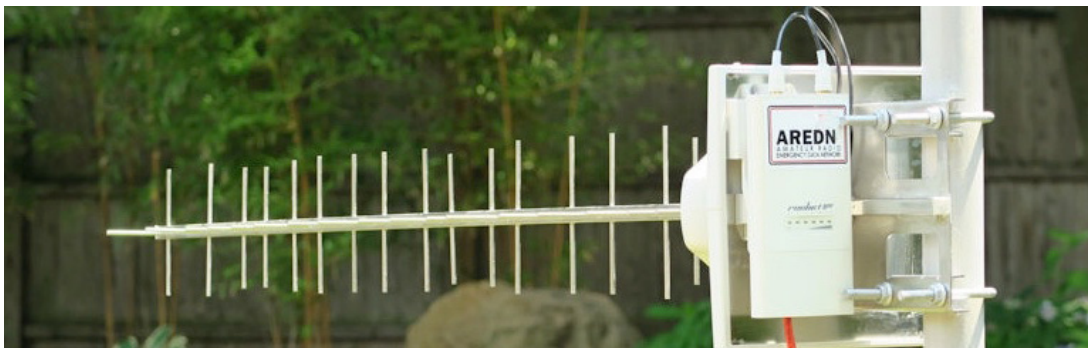
***AREDN Presentation
Jim Moss, N9JIM***

**Wednesday, June 14
Meeting Starts at 7pm
Visitors Are Welcome!**

**Meeting Location:
American Red Cross,
Silicon Valley Chapter
2731 N First Street at Plumeria Dr
(southwest corner) in San Jose**

WVARA Repeaters (W6PIY)		
Band	Frequency	PL
6 Meters	52.580- MHz	151.4 Hz
2 Meters	147.39+ MHz	151.4 Hz
1.25 Meters	223.96- MHz	156.7 Hz
0.70 Meter	441.35+ MHz	88.5 Hz
0.23 Meter	1286.2- MHz	100 Hz

WVARA's club net is on the W6PIY repeaters each Tuesday at 8:30 pm. All repeaters are linked together during the net. The net control script can be found at www.wvara.org in the "On The Air" dropdown.



The next WVARA meeting will be held in-person this Wednesday, June 14, in Meeting Room 3 at the Silicon Valley Chapter of the American Red Cross, 2731 N. First Street at Plumeria Drive (southwest corner) in San Jose. Social time begins at 6:40pm with the formal meeting starting at 7pm. If you haven't been to the Red Cross in a while, "talk-in" is usually available on the Association's repeaters. Best choice would be 2m/220.

BTW, a half dozen of us meet nearby for dinner prior to the meeting at 5:30pm nearby at Dish-N-Dash (2551 N. 1st St. San Jose): <https://dishdash.com> . Feel free to join us.

Meeting Topic: AREDN (Amateur Radio Emergency Data Network) — Come hear about RF Microwave Networking here in the South Bay Area. We will learn about what exists now, and how AREDN can be expanded for experimentation, community support, and emergencies. This will also be an opportunity for WVARA members to ask questions about setting up multi-Mbps systems at home, portable, and at key community locations.

Our speaker, Jim Moss, N9JIM, is working with a small group of hams to establish a microwave backbone around the SF Bay Area — in particular the South Bay. The first mountaintop station was established in 2013 on 3GHz and demonstrated IPphone & text messaging to flyaway portable setups. In 2022, Jim helped establish a 5GHz mountaintop node with AREDN firmware. BTW, Jim also holds the current (2020) 122GHz distance record holder with K6ML & KB6BA. They operated from Mt Umunhum (near San Jose, CA) to Mt Vaca (near Vacaville, CA) a distance of about 80 miles using 18" dishes and about 1mW. Jim is also active on 1.2GHz EME (Earth-Moon-Earth) communications using 500w and a 1.5m dish. Very cool!

If you can't wait until June 14 to learn about AREDN, then check out the AREDN website at: <https://www.arednmesh.org/>

Regarding our June 14 meeting, three things to remember:

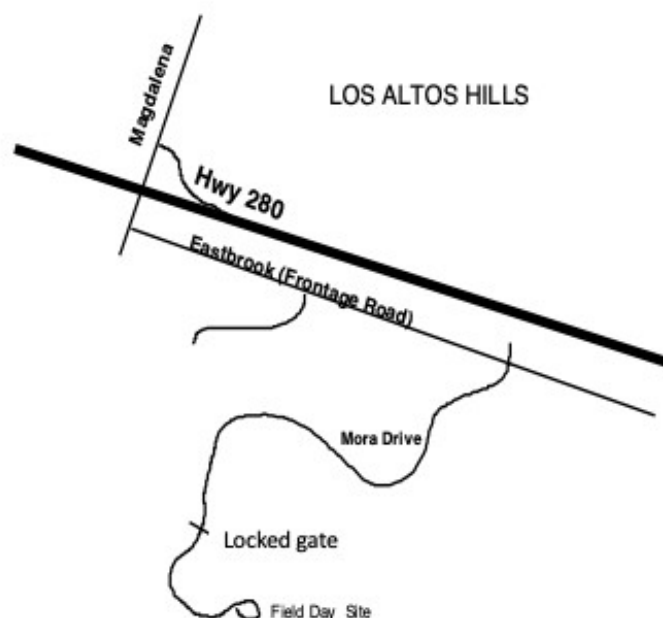
- Since the west side entrance to the Red Cross Building is always locked, we recommend entering the Red Cross Building through the main entrance situated on the north side of the building.
- The Red Cross locks the main entrance at 7pm sharp, so please come early in order to get access to the building.
- We will be in Meeting Room 3 -- about 100 feet from any entrance. As a result, late comers who knock on an outside door won't be heard from our meeting room. If you need help getting in the door, you can my cellphone: 408-636-6172.

Although we will be meeting in person, Jim's presentation will also be streamed via Zoom. Zoom instructions will be sent via WVARA reflector and can likewise be obtained by contacting K6EI — his email is available via QRZ.

Jim, K6EI
WVARA Vice President

Upcoming Meetings and Events		
Jun 14	AREDN Amateur Radio Emergency Data Network	Jim Moss, N9JIM
Jun 23-25	FIELD DAY AT MORA HILL	
July/August	No Evening Meetings in July or August	
Aug 12	Annual BBQ at Baylands Park	
Sept 10	WVARA runs Electronic Flea Market	
Sept 13	County Expedition & California QSO Party Ideas	Dean Wood, N6DE (likely)

WVARA Field Day, June 23-25, 2023



WHAT: Field Day is a great opportunity to get outdoors, gain experience assembling equipment in the rough, and operate a station under challenging conditions. This year we will operate QRP (5 watts max) in the 12A Battery category with phone, CW, and digital HF stations as well as satellite ground station, a Get-On-the-Air station for visitors, and VHF/UHF stations. To see details of our site from last year, refer to:

<http://www.arrl.org/soapbox/view/10347>

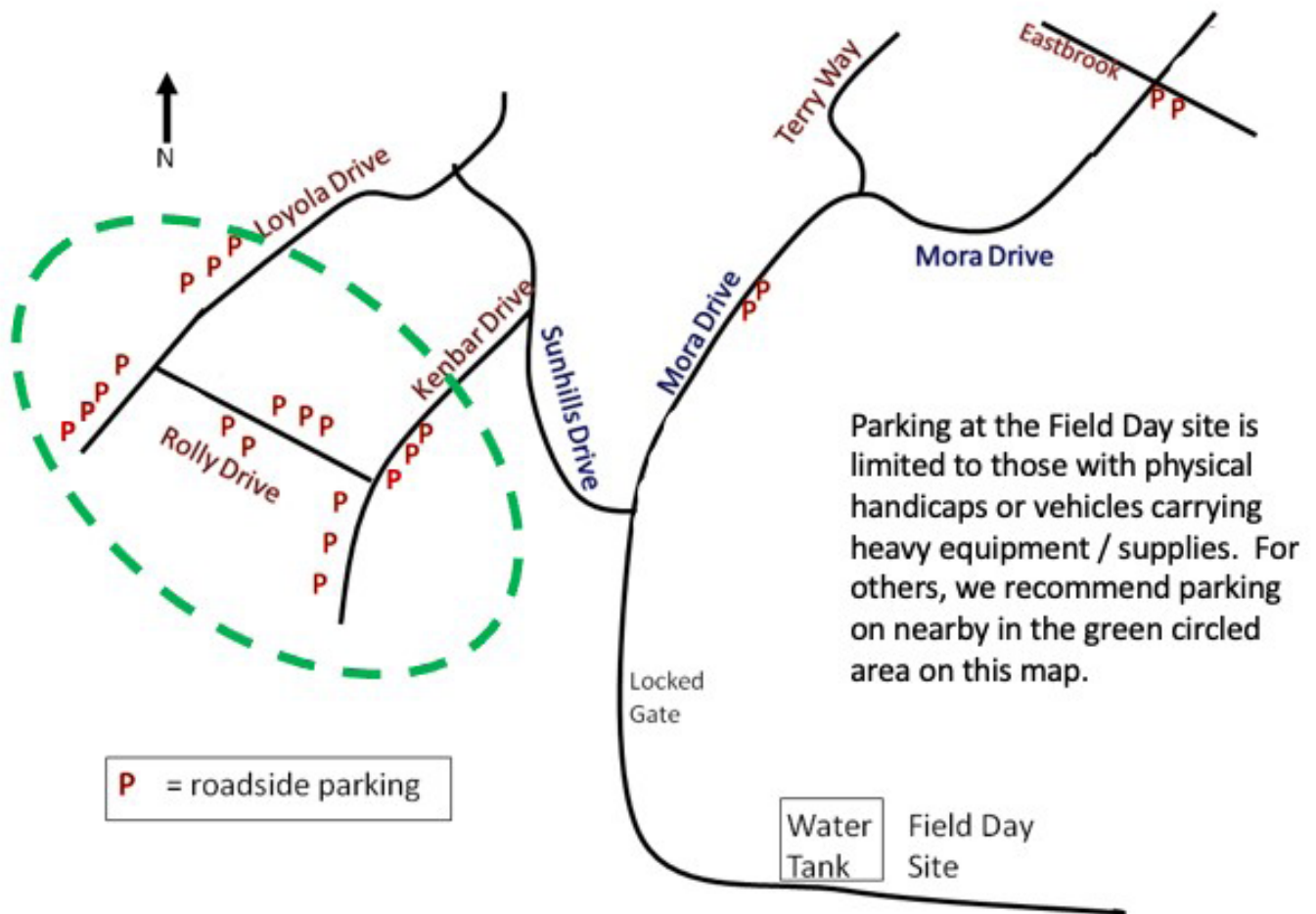
WHERE: This year's Field Day operation will be at the top of Mora Hill located in the San Antonio Open Space Reserve near the Magdalena exit off of Highway 280 in Los Altos Hills. This site overlooks the Silicon Valley from an elevation of 500 feet.

WHEN: We will be setting up on Friday, June 23. Field Day operations officially begin Saturday at 11am and continue until 11am Sunday. Our goal is to keep all of the HF stations in operation the full 24 hours. Tear-down and packing activities will probably last from 11am until about 2pm Sunday afternoon.

If you have any questions, you can reach us via

COFieldDay@gmail.com

More information at www.wvara.org



WVARA Net Check-Ins (W6PIY)

Tuesdays at 8:30 PM

Date	Name	05/16/23	05/23/23	05/30/23	06/06/23	06/13/23
Total		17	17	14	14	17
AB6XS	Kevin					X
AF6AE	Bill	X	X	X	X	X
AJ6LG	Jeff	X	X		X	
K6EI	Jim		X	X	X	
K6KQV	Bill	X				
K6VP	Dan	X	X	X	X	X
KC6ZKT	Steve	X	X		X	
KC7XE	Stan		X			
KF6EMB	Svend	X	X	X	X	X
KK6HPF	Ross	X	X	X	X	
KK6VF	Kevin	NET	NET	NET	NET	NET
KN6FGH	Tim	X	X	X	X	X
KN6MTI	Jim					X
KN6OGS	Ryan		X			X
KN6TTW	Ernie	X	X	X		X
KN6WFM	Drew		X			
KN6WKM	Kevin					X
KX6B	Dick	X		X	X	X
W1MVY	Scott					X
W6BG	Max	X		X	X	
W6IA	Mark	X	X	X		X
W6PK	Phil					X
W8RJL	Ron	X	X	X	X	X
WB6JHI	Steve	X		X		X
WB6JMR	Mark				X	
WB6KHP	Dave	X	X	X	X	X
WR3K	Greg	X	X			

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The Heterodyne is published monthly by the West Valley Amateur Radio Association and sent to all club members via the web. Please obtain permission from the author to re-publish any article in this publication.

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